

WHAT IS CLAIMED IS:

1. A moving picture compression device comprising:

motion vector separating means for separating a motion vector multiplexed in a blanking portion of a moving picture signal; and

compression means for compressing the moving picture signal using the motion vector.

2. The moving picture compression device as claimed in claim 1 further comprising:

motion vector detection means for detecting, from the moving picture signal freed of the multiplexed motion vector, a new motion vector by retrieving the neighborhood of the separated motion vector;

the compression means compressing the picture signals using the new motion vector.

3. The moving picture compression device as claimed in claim 1 wherein the motion vector multiplexed in the blanking portion of the picture signals is quantized; the moving picture compression device further comprising:

motion vector dequantization means for dequantizing the quantized motion vector separated by said motion vector separating means.

4. The moving picture compression device as claimed in claim 1 wherein the motion vector multiplexed in the blanking of the picture signals is quantized; the moving picture compression

device further comprising:

motion vector dequantization means for dequantizing the quantized motion vector separated by said motion vector separating means; and

motion vector detection means for detecting, from the moving picture signal freed of the multiplexed motion vector, a new motion vector by retrieving the neighborhood of the separated motion vector;

said compression means compressing the picture signals using the new motion vector.

5. A moving picture expansion device comprising:

motion vector separating means for separating a motion vector supplied in a state of being appended to the compressed moving picture signal;

expansion means for expanding the compressed moving picture signals using the separated motion vector; and

multiplexing means for multiplexing the separated motion vector in the blanking portion of the expanded moving picture signal.

6. The moving picture expansion device as claimed in claim 5 further comprising:

motion vector quantizing means for quantizing the separated motion vector;

said multiplexing means multiplexing the separated quantized motion vector in the blanking portion of the expanded moving

picture signal.